

Water Technology Caucus Update

Group Co-Leads

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3 I's - Invest in Innovation & Infrastructure

California State Government in partnership with others should invest in water innovation & infrastructure to support integrated water management and sustainable outcomes

➤ Innovation

- Governance improvements
- Planning & public process improvements
- Information technology (data & tools)
- Water technology / R&D

➤ Infrastructure

- Regional projects
- Inter-regional projects
- Statewide systems

➤ State Investments - Finance Plan

- Stable funding with focus on innovation investments
- Seed money to incentivize infrastructure improvements



California Water Plan Update 2013

Topic Caucuses & Focus Areas

- Update 2013 Finance Plan
- Groundwater
- Water Quality
- Integrated Flood Management
- **New Water Technology / R&D**
- Sustainability Indicators
- Scenarios – Planning for Future Uncertainty



The Water Technology Caucus is a statewide topic-based workgroup designed to support development of CWP Update 2013 through in-depth discussions and deliberations of innovation, technology, applied research and development topics and issues.

Work Plan:

- ◆ Develop Draft Caucus Charter and Work Plan (completed)
- ◆ Convene Water Technology Caucus (first meeting held October 14th)
- ◆ Inventory of existing water technology initiatives & case studies

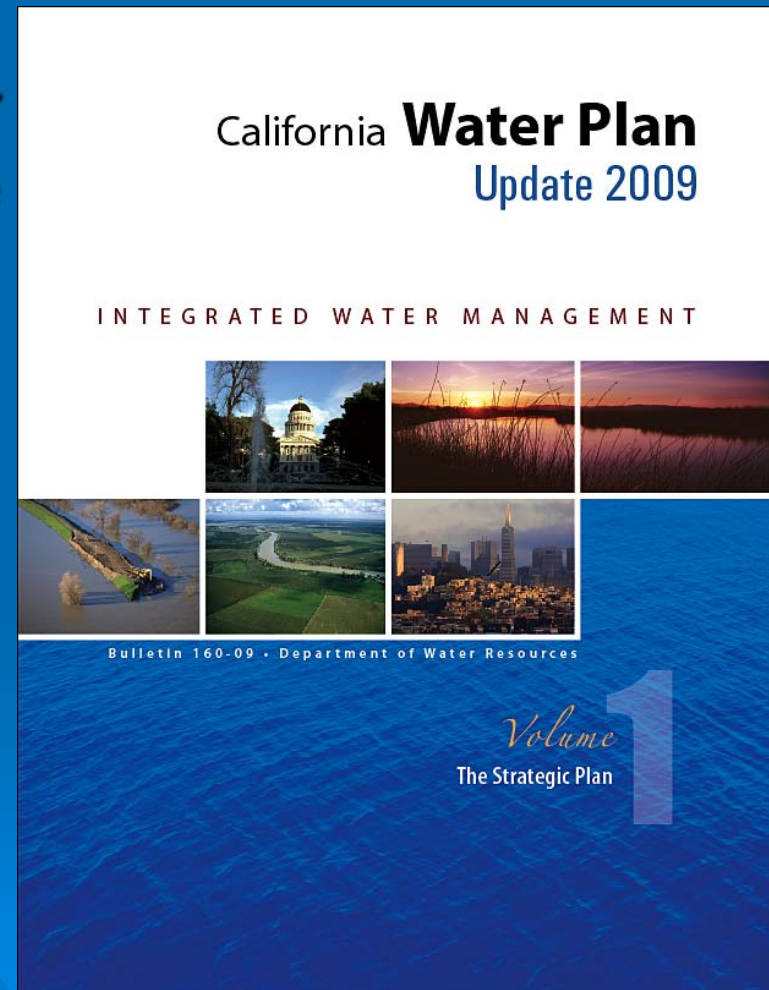
- ◆ Inventory of new/emerging technologies & data gaps
- ◆ Portfolio of future RMS research & technology initiatives
- ◆ Performance & sustainability indicators and communication strategies

- ◆ Draft Water Technology Innovation Roadmap & finance plan
- ◆ Final Water Technology Innovation Roadmap & finance plan

California Water Plan Update 2009

Objective 11 – Invest in New Water Technology

- Identify and fund applied research and pilot studies on emerging water technology to make them attainable and more cost effective
- Work with CCST, academic institutions & private partners
- 3 Related Actions
 - Identify, prioritize, and begin funding applied research projects
 - Invest in pilot projects
 - Continue CEC PIER Program to reduce energy intensity & demand



CCST – California Council on Science and Technology

Not for profit, 501(c)3 comprised of over 200 of CA's top talent

Committed to serving the State in all aspects of S&T

Sustaining institutions: UC, CSU, CCC, Stanford, USC, Caltech

Affiliate members: LBNL, LLNL, Sandia, SLAC, NASA Ames, JPL

Comprised of:

- 16 Board Members
- 30 Council Members
- 136 Senior Fellows
- 12 Cal Teachers Advisory Council Members
- 10 S&T Policy Fellows

And includes:

- 5 Nobel Laureates
- 81 National Academies' Members
- 11 National Medal of Science or Technology
- 6 National Board Certified Teachers



Water Innovation Road Map

Goals:

- ✧ Develop a *California Water Future (CWF) Science and Technology Innovation Road Map* - a 10/25/50-year plan, and integrate it with the State's ongoing long-term water planning efforts.
- ✧ Serve as a primary vehicle for the Water Technology Caucus of the Department of Water Resources to identify and expand information associated with statewide and regional needs, opportunities and challenges for developing and implementing new water technologies in California.

With DWR Develop S&T-based water road map that will:

- ✧ Improve the **use of S&T** to extend California's finite water supplies to meet the ever-growing demands to meet multiple objectives across the economy to ensure the state's continued prosperity in the 21st century.
- ✧ Identify **opportunities for expanding markets**, in and outside the state, for innovative California products and services that will help the state and others improve water efficiency.
- ✧ Catalyze the creation of **new public-private partnerships** and communities of innovation able and willing to go to the next stage of implementation.

**We Will Know the Price of Water
When the Well Goes Dry!**

Thank You!

